

229136  
**STIC EIC 2100**  
**Search Request Form**

(105)

Today's Date: 6-29-2007

What date would you like to use to limit the search?

Priority Date: 6-30-2000 Other:

Name Quoc A. TRAN  
AU 2176 Examiner # 80135  
Room # 3A60 Phone X 8664  
Serial # 09/ 893,645

Format for Search Results (Circle One):

PAPER  DISK  EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB  
IEEE INSPEC SPI Other \_\_\_\_\_

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES  NO

Is this case a SPECIAL CASE? (Circle One) YES  NO

XML HASH COMPACT PARSER

1. Apply HASH function to generate a numeric code

from element of segment of XML code.

2. < tag > < tag > line (205)

See equation [1] hash = 0.133

3. The result equation [4]

STIC Searcher Geoffrey St-Leger Phone 83590  
Date picked up 6/27/07 Date Completed 6/27/07

File 347:JAPIO Dec 1976-2006/Dec(updated 070403)

(c) 2007 JPO & JAPIO

File 350:Derwent WPIX 1963-2007/UD=200739

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Set	Items	Description
S1	6487	XML OR (EXTENSIBLE OR EXTENDED) () (MARKUP OR MARK()UP) () LANGUAGE
S2	7956315	TAG? ? OR ELEMENT? ? OR SUBELEMENT? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR OBJECT? ? OR UNIT? ? OR ITEM? ?
S3	1141	S2(10N)(HASH??? OR MD4 OR MD5 OR SHA1 OR SHA OR MESSAGE()DIGEST OR RIPEMD OR HAVAL)
S4	6660187	NUMERIC OR NUMBER? ? OR NUMERAL? ? OR INTEGER? ? OR VALUE? ? OR FIGURE? ? OR CODE? ?
S5	674	S3(40N)S4
S6	9	S1 AND S5
S7	6800	SGML OR (MARKUP OR MARK()UP) () LANGUAGE
S8	6	S7 AND S5
S9	10	S6 OR S8

9/5/1 (Item 1 from file: 347)  
DIALOG(R)File 347:JAPIO  
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08345886 \*\*Image available\*\*  
PROGRAM FOR REQUESTING BULK TYPE TIME AUTHENTICATION, RECORDING MEDIUM FOR REQUESTING BULK TYPE TIME AUTHENTICATION, VERIFICATION APPARATUS, VERIFICATION METHOD, VERIFICATION PROGRAM, AND VERIFICATION RECORDING MEDIUM

PUB. NO.: 2005-094146 [JP 2005094146 A]  
PUBLISHED: April 07, 2005 (20050407)  
INVENTOR(s): HOTTA HIDEKAZU  
              ONO SATOSHI  
              TAKURA AKIRA  
APPLICANT(s): NIPPON TELEGR & TELEPH CORP (NTT)  
APPL. NO.: 2003-321966 [JP 2003321966]  
FILED: September 12, 2003 (20030912)  
INTL CLASS: H04L-009/32; G06F-017/60

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a method wherein **hash values** of a plurality of files being proof **objects** of time authentication are collected into one to create one file and time confirmation is requested totally by the whole file, that can easily prove an unrevised part to be valid even when part of entry (digital data) related to the proof object is revised when a time authentication certificate is issued and reduce an amount of data required to be transmitted to a third party for which the propriety of the time authentication certificate of part of digital data is to be shown.

SOLUTION: A file (summary file) having characteristics as shown below is used for a file being a proof object of time authentication; (1) the file is described in a particular description language such as the **XML** understandable by people, (2) the name of entry e is displayed, (3) hash data of the entry e are displayed, wherein the hash data indicate the hash algorithm in use, calculated hash values, and a hash key depending on case, (4) and a tree structure is expressed as a text file.

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9/5/2 (Item 2 from file: 347)  
DIALOG(R)File 347:JAPIO  
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08147904 \*\*Image available\*\*  
**XML** SIGNATURE GENERATION SYSTEM WITH TIME STAMP IMPARTING FUNCTION, DEVICE, METHOD, AND PROGRAM

PUB. NO.: 2004-260664 [JP 2004260664 A]  
PUBLISHED: September 16, 2004 (20040916)  
INVENTOR(s): MIYAUCHI KOJI  
APPLICANT(s): NEC CORP  
APPL. NO.: 2003-050606 [JP 200350606]  
FILED: February 27, 2003 (20030227)  
INTL CLASS: H04L-009/32

#### ABSTRACT

PROBLEM TO BE SOLVED: To impart a time stamp as the existence time verification of an electronic document into an **XML** signature without impairing the advantages of the **XML** signature such as multiple signatures and a partial signature.

**SOLUTION:** An **XML** signature target setting part 12 sets part or the whole of the electronic document as the targets of the **XML** signature generation, and an **XML** signature generation part 13 generates the **XML** signature to part or the whole of the set electronic document. A hash **value** calculation part 14 calculates a **hash value** of the (SignatureValue) **tag** of the generated **XML** signature, and a **hash value** transmitting part 15 transmits the calculated hash **value** to a time stamp provider 3. A time stamp receiving part 16 receives the time stamp generated for the hash **value** from the time stamp provider 3, and a time stamp imparting part 17 imparts the received time stamp into a (SignatureProperty) **tag** of the **XML** signature.

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**9/5/3 (Item 1 from file: 350)**  
DIALOG(R)File 350:Derwent WPIX  
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0016375385 - Drawing available  
WPI ACC NO: 2007-091557/200709

XRXPX Acc No: N2007-063834

**Document processing device e.g. for XML document, acquires identifier for tag set with which component contained in document belongs for generating file name matched with document**

**Patent Assignee:** JUSTSYSTEM CORP (JUST-N)

**Inventor:** HIRONIWA M

**Patent Family** (1 patents, 111 countries)

**Patent Application**

<b>Number</b>	<b>Kind</b>	<b>Date</b>	<b>Number</b>	<b>Kind</b>	<b>Date</b>	<b>Update</b>
WO 2006118287	A1	20061109	WO 2006JP309104	A	20060501	200709 B

**Priority Applications (no., kind, date):** JP 2005134070 A 20050502

#### **Patent Details**

<b>Number</b>	<b>Kind</b>	<b>Lan</b>	<b>Pg</b>	<b>Dwg</b>	<b>Filing Notes</b>
WO 2006118287	A1	JA	35	11	

**National Designated States,Original:** AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KN KP KR KZ LC LK LR LS LT LU LV LY MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**Regional Designated States,Original:** AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU LV MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

#### **Alerting Abstract** WO A1

**NOVELTY** - An acquisition module acquires an identifier for tag set with which component contained in a document belongs. A filename generation module generates the name of file matched with the document based on the identifier.

**DESCRIPTION** - INDEPENDENT CLAIMS are included for the following:

1. document processing method; and

2. computer program comprising instructions for document processing.

**USE** - For processing **XML**, **HTML** and **SGML** documents.

**ADVANTAGE** - The document described by **markup language** is processed appropriately based on the identifier for tag set.

**DESCRIPTION OF DRAWINGS** - The figure shows a block diagram of the image processing device. (Drawing includes non-English language text)

**Title Terms/Index Terms/Additional words:** DOCUMENT; PROCESS; DEVICE;

ACQUIRE; IDENTIFY; TAG; SET; COMPONENT; CONTAIN; BELONG; GENERATE; FILE;  
NAME; MATCH

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0012/00 A I L B 20060101

G06F-0017/21 A I F B 20060101

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-E04; T01-F05E; T01-J05B1; T01-J11A; T01-J11C;  
T01-S03

**9/5/4 (Item 2 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015959027 - Drawing available

WPI ACC NO: 2006-490694/200650

XRXPX Acc No: N2006-395867

**Browser page update method involves receiving set of content elements comprising browser-displayable content block and unique change content block identifier of browser page, on initiation of page update request**

Patent Assignee: ORACLE INT CORP (ORAC-N)

Inventor: DESAI S

**Patent Family (1 patents, 1 countries)**

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 7069497	B1	20060627	US 2002241732	A	20020910	200650 B

Priority Applications (no., kind, date): US 2002241732 A 20020910

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 7069497	B1	EN	18	7	

**Alerting Abstract US B1**

NOVELTY - A browser page comprising parameters identifying incremental update of browser page, is received. A set of content elements comprising browser-displayable content block and unique change content block identifier of another page, is received on initiation of page update request, based on links in page. The content elements of browser page is replaced with content elements of another page without affecting remainder of display.

DESCRIPTION - An INDEPENDENT CLAIM is also included for computer readable storage medium storing browser page update program.

USE - For incremental update of browser page in computer system.

ADVANTAGE - The browsing experience is improved, and the burden of server is reduced.

DESCRIPTION OF DRAWINGS - The figure shows the flowchart explaining browser page update process.

**Title Terms/Index Terms/Additional Words:** PAGE; UPDATE; METHOD; RECEIVE; SET; CONTENT; ELEMENT; COMPRISE; DISPLAY; BLOCK; UNIQUE; CHANGE; IDENTIFY ; INITIATE; REQUEST

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/00 A I F B 20060101

G06F-0017/00 C I L B 20060101

US Classification, Issued: 715501100, 715513000, 715524000

File Segment: EPI;  
DWPI Class: T01  
Manual Codes (EPI/S-X): T01-N01D4; T01-N03A1; T01-S03

9/5/5 (Item 3 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0015785116 - Drawing available  
WPI ACC NO: 2004-672125/200466

XRPX Acc No: N2004-532764

Extensible markup language signature production system for electronic document storage system, generates time-stamp based on hash value produced from signature value tag of extensible markup language signature of electronic document

Patent Assignee: NEC CORP (NIDE)

Inventor: MIYAUCHI K

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
JP 2004260664	A	20040916	JP 200350606	A	20030227	200466 B

Priority Applications (no., kind, date): JP 200350606 A 20030227

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2004260664	A	JA	12	4	

**Alerting Abstract** JP A  
NOVELTY - A generation unit (13) generates extensible markup language (XML) signature of set electronic document. A calculation unit (14) calculates a hash value from signature value tag of XML signature. A transmitter (15) transmits calculated hash value to time stamp provider (3) that generates time-stamp. A receiver (16) receives generated time-stamp, and provides it into signature property tag of XML signature.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. extensible markup language signature production apparatus;
2. extensible markup language signature production method ; and
3. extensible markup language signature production program.

USE - For producing extensible markup language signature in electronic document storage system

ADVANTAGE - The time-stamp is provided into XML signature, without impairing the feature of multiple signature or XML signature.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the extensible markup language. (Drawing includes non-English language text ).

- 3 time-stamp provider
- 13 generation unit
- 14 calculation unit
- 15 transmitter
- 16 receiver

**Title Terms/Index Terms/Additional Words:** EXTEND; LANGUAGE; SIGNATURE; PRODUCE; SYSTEM; ELECTRONIC; DOCUMENT; STORAGE; GENERATE; TIME; STAMP; BASED; HASH; VALUE; TAG

#### Class Codes

International Classification (Main): H04L-009/32

File Segment: EPI;  
DWPI Class: T01  
Manual Codes (EPI/S-X): T01-N03B2; T01-S03

9/5/6 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0015473955 - Drawing available  
WPI ACC NO: 2005-811800/200582  
XRPX Acc No: N2005-673088

**Text file processing method involves processing schema associated with dialect of data representation language, to generate look-up table encoding several directives for text processing in accordance with schema**

Patent Assignee: SILVERKITE INC (SILV-N)

Inventor: GUR E; KAEMPFER G; MAOR E

**Patent Family (1 patents, 109 countries)**

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2005111824	A2	20051124	WO 2005IL521	A	20050519	200582 B

Priority Applications (no., kind, date): US 2004572123 P 20040519

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2005111824	A2	EN	74	11	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NG NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

**Alerting Abstract WO A2**

NOVELTY - The method involves providing a schema associated with a dialect of a data representation language, and processing the schema to generate a look-up table encoding several directives for text processing in accordance with the schema.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.method of generating data useful for fast text processing;
- 2.system for accelerating text file processing;
- 3.system for generating data useful for fast text processing;
- 4.method of processing corpus of one text file encoded in data description language;
- 5.computer readable storage medium storing text file processing program; and
- 6.method of accelerating processing of hypertext transfer protocol headers.

USE - For processing text files encoded in dialects of data representation languages such as standard generalized markup language (SGML), hypertext transfer protocol (HTTP) headers, extensible markup language (XML) and electronic data interchange (EDI).

ADVANTAGE - Enables processing the content in accordance with specific data representation languages, efficiently.

**DESCRIPTION OF DRAWINGS** - The figure shows a flow diagram explaining lookup table generation method.

**Title Terms/Index Terms/Additional Words:** TEXT; FILE; PROCESS; METHOD; ASSOCIATE; DATA; REPRESENT; LANGUAGE; GENERATE; UP; TABLE; ENCODE; DIRECT; ACCORD

**Class Codes**

International Classification (Main): G06F-015/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J11C1; T01-N03B2; T01-S03

**9/5/7 (Item 5 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0015055631 - Drawing available

WPI ACC NO: 2005-403655/200541

XRPX Acc No: N2005-327410

**Method for mapping components of XML schema, involves uniquely naming components of conversion language like Java, based on names of XML schema components uniquely mapped with conversion language**

Patent Assignee: ARORA A (AROR-I); BOLLINENI P C (BOLL-I); KAIPA S P (KAIP-I); RAHURKAR A (RAHU-I); INT BUSINESS MACHINES CORP (IBMC)

Inventor: ARORA A; BOLLINENI P C; KAIPA S P; RAHURKAR A

**Patent Family (2 patents, 1 countries)**

Patent Number	Kind	Date	Number	Kind	Date	Update
US 20050114394	A1	20050526	US 2003718722	A	20031121	200541 B
US 7194485	B2	20070320	US 2003718722	A	20031121	200723 E

Priority Applications (no., kind, date): US 2003718722 A 20031121

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050114394	A1	EN	13	6	

**Alerting Abstract** US A1

NOVELTY - The method involves uniquely mapping extensible markup language (XML) components with a conversion language like JAVA, and naming components of the conversion language based on the names of the XML schema components.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. information handling system; and
2. XML schema component mapping program product.

USE - For mapping XML schema components in information handling system (claimed) such as hand-held device, multiprocessor system, microprocessor-based system, programmable consumer electronic device, personal digital assistant, workstation, portable computer, desktop computer, minicomputer, mainframe computer connected to network such as local area network (LAN), personal area network (PAN) and wide area network (WAN).

ADVANTAGE - Enables handling code regeneration and multiple schema name spaces efficiently during conversion of XML schema, while adhering to naming standards.

DESCRIPTION OF DRAWINGS - The figure shows a flowchart illustrating conversion operation.

**Title Terms/Index Terms/Additional Words:** METHOD; MAP; COMPONENT; UNIQUE; CONVERT; LANGUAGE; BASED; NAME

**Class Codes****International Classification (+ Attributes)****IPC + Level value Position Status Version**

G06F-0017/30	A	I	R	20060101
G06F-0017/30	A	I	F	20060101
G06F-0017/30	C	I	R	20060101
G06F-0017/30	C	I	B	20060101

US Classification, Issued: 707104100, 707104100

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-F05A; T01-J11C1; T01-S03

**9/5/8 (Item 6 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0014877468 - Drawing available

WPI ACC NO: 2005-225203/200524

Related WPI Acc No: 2007-027517

XRPX Acc No: N2005-185476

**Structured document signature device for structured document verification system, inserts hash value of child element or value of element forming structured document, into document to construct hash tree**

Patent Assignee: NTT DOCOMO INC (NITE); NTT IDO TSUSHINMO KK (NITE)

Inventor: FUJIMOTO H; NAKAYAMA T; SUZUKI T; TAKESHITA A; FUJIMOTO H C O N D ; NAKAYAMA T C O N D; SUZUKI T C O N D; TAKESHITA A C O N D

**Patent Family (7 patents, 36 countries)**

Patent		Application				
Number	Kind	Date	Number	Kind	Date	Update
EP 1517214	A1	20050323	EP 200422174	A	20040917	200524 B
JP 2005094712	A	20050407	JP 2003329175	A	20030919	200524 E
US 20050063545	A1	20050324	US 2004942866	A	20040917	200526 E
CN 1604005	A	20050406	CN 200410073996	A	20040917	200553 E
CN 1272683	C	20060830	CN 200410073996	A	20040917	200682 E
EP 1517214	B1	20070307	EP 200422174	A	20040917	200720 E
			EP 200618853	A	20060908	
DE 602004005117	E	20070419	DE 062004005117	A	20040917	200729 E
			EP 200422174	A	20040917	

Priority Applications (no., kind, date): JP 2003329175 A 20030919

**Patent Details**

Number Kind Lan Pg Dwg Filing Notes

EP 1517214 A1 EN 32 33

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI  
FR GB GR HR HU IE IT LI LT LU LV MC MK NL PL PT RO SE SI SK TR

JP 2005094712 A JA 28

EP 1517214 B1 EN Related to application EP 200618853

Related to patent EP 1724658

Regional Designated States,Original: DE GB

DE 602004005117 E DE Application EP 200422174

Based on OPI patent EP 1517214

**Alerting Abstract EP A1**

NOVELTY - An association unit associates each element forming a structured document, with adaptation policy indicating action adapted to child element or value of the element. A constructor inserts hash value of child element or element value into document as attribute value of element, to construct hash tree. An adder adds digital signature to root of hash tree and adaptation policy. The document and signature are output.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.structured document adaptation device; and

2.structured document verification device.

USE - For providing digital signature e.g. XML signature to structured document e.g. XML , synchronized multimedia integration language (SMIL) and HTML documents including multimedia content e.g. moving image, still image, animation, sound and text for services e.g. web service realized in wide area network e.g. Internet, in structured document verification system.

ADVANTAGE - The hash tree can be reconstructed from **elements** forming **hash** tree, even if the **element** or **element value** is deleted by adaptation. Hence the processing amount is reduced. Authenticity of each element and element **value** can be verified, since the authenticity of the digital signature can be verified using the hash tree even after the adaptation of the document. The communication amount is reduced.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the structured document signature device.

**Title Terms/Index Terms/Additional words:** STRUCTURE; DOCUMENT; SIGNATURE; DEVICE; VERIFICATION; SYSTEM; INSERT; HASH; VALUE; CHILD; ELEMENT; FORMING; CONSTRUCTION; TREE

#### Class Codes

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0001/00	A	I	F	20060101	
G06F-0001/00	A	I	F	B	20060101
G06F-0017/21	A	I	F	R	20060101
G06F-0021/00	A	I		R	20060101
H04L-0009/32	A	I		R	20060101
H04L-0009/32	A	I	L		20060101
G06F-0001/00	C	I		B	20060101
G06F-0017/21	C	I	F	R	20060101
G06F-0021/00	C	I		R	20060101
H04L-0009/32	C	I		R	20060101
G06F-0001/00	C	I			20060101

US Classification, Issued: 713176000, 380277000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N03B2

**9/5/9 (Item 7 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0013650993 - Drawing available

WPI ACC NO: 2003-747026/200370

XRPX Acc No: N2003-598707

Extensible mark - up language document comparison method involves comparing hashed extensible mark - up language document to determine difference report

Patent Assignee: SUN MICROSYSTEMS INC (SUNM)

Inventor: LOU E G

Patent Family (2 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
US 20030177442	A1	20030918	US 2002100721	A	20020318	200370 B
US 7096421	B2	20060822	US 2002100721	A	20020318	200656 E

Priority Applications (no., kind, date): US 2002100721 A 20020318

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030177442	A1	EN	20	12	

**Alerting Abstract US A1**

NOVELTY - A pair of XML documents is hashed and compared to determine a difference report.

DESCRIPTION - An INDEPENDENT CLAIM is also included for extensible mark-up language comparator.

USE - For comparing XML documents.

ADVANTAGE - Compares data from test reports that is more user-friendly and requires fewer man-hours and less actual elapsed time.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of application testing system.

**Title Terms/Index Terms/Additional Words:** EXTEND; MARK; UP; LANGUAGE; DOCUMENT; COMPARE; METHOD; HASH; DETERMINE; DIFFER; REPORT

**Class Codes**

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/21	A	I	R	20060101	
G06F-0015/00	A	I	F	B	20060101
G06F-0007/00	A	I	L	B	20060101
G06F-0017/21	C	I	R	20060101	

US Classification, Issued: 715513000, 715513000, 715500000, 715501100, 707001000, 707101000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-E04; T01-J11C1; T01-J20C; T01-N03B2

**9/5/10 (Item 8 from file: 350)**

DIALOG(R)File 350:Derwent WPIX

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0010722838

WPI ACC NO: 2001-334251/200135

XRXPX Acc No: N2001-241186

Method and program to generate arbitrary XML from a Java Hash table first provides DTD file name and then all values for XML tags are stored in name value pairs (NVPs) format, and generator uses DTD to construct XML

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	update
RD 440132	A	20001210	RD 2000440132	A	20001120	200135 B

Priority Applications (no., kind, date): RD 2000440132 A 20001120

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing Notes
RD 440132	A	EN	3	0	

**Alerting Abstract RD A**

NOVELTY - The method generates arbitrary XML from a Java Hash table by first providing DTD file name, then all values for XML tags are stored in name value pairs (NVPs) format, and generator uses DTD to construct XML and put the value for each tag in the XML from the hash table and finally outputs a XML message.

USE - As a method and a program to generate arbitrary XML from a Java Hash table.

ADVANTAGE - Gives Java programmers a chance to write applications to generate XML messages without understanding any XML specifications.

File 348:EUROPEAN PATENTS 1978-2007/ 200725

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20070621UT=20070614

(c) 2007 WIPO/Thomson

Set	Items	Description
S1	17536	XML OR (EXTENSIBLE OR EXTENDED) () (MARKUP OR MARK()UP) () LANGUAGE
S2	2115747	TAG? ? OR ELEMENT? ? OR SUBELEMENT? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR OBJECT? ? OR UNIT? ? OR ITEM? ?
S3	3433	S2(10N)(HASH??? OR MD4 OR MD5 OR SHA1 OR SHA OR MESSAGE()DIGEST OR RIPEMD OR HAVAL)
S4	1979260	NUMERIC OR NUMBER? ? OR NUMERAL? ? OR INTEGER? ? OR VALUE? ? OR FIGURE? ? OR CODE? ?
S5	2110	S3(30N)S4
S6	85	S1(100N)S5
S7	1	S6 AND PY=1978:2000
S8	33	S6 AND AC=US/PR AND AY=(1978:2000)/PR
S9	33	S6 AND AC=US AND AY=1978:2000
S10	33	S6 AND AC=US AND AY=(1978:2000)/PR
S11	33	S7:S10
S12	33	IDPAT (sorted in duplicate/non-duplicate order)

12/3,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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02011398

METHOD FOR ELECTRONIC STORAGE AND RETRIEVAL OF AUTHENTICATED ORIGINAL DOCUMENTS

VERFAHREN ZUR ELEKTRONISCHEN SPEICHERUNG UND WIEDERGEWINNUNG VON AUTHENTIFIZIERTEN ORIGINALDOKUMENTEN

PROCEDE DE TRANSMISSION ELECTRONIQUE, DE STOCKAGE ET DE RECUPERATION DE DOCUMENTS ELECTRONIQUES ORIGINAUX AUTHENTIFIES

PATENT ASSIGNEE:

EOriginal, Inc., (2882613), The Warehouse at Camden Yards, South, Suite 800, 351 West Camden Street, Baltimore, MD 21201, (US), (Applicant designated States: all)

INVENTOR:

BISBEE, Stephen, F., 7206 Bellona Avenue, 21212, Baltimore, (US)  
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BECKER, Keith F., 1212 Swanhill Court, 21226, Baltimore, (US)  
PETERSON, Ellis, K., 288 Waycross Way, MD 21012, Arnold, (US)

LEGAL REPRESENTATIVE:

Bergentall, Annika Maria et al (86231), Cegumark AB, P.O. Box 53047, 400 14 Goteborg, (SE)

PATENT (CC, No, Kind, Date): EP 1617590 A2 060118 (Basic)  
EP 1617590 A3 060208

APPLICATION (CC, No, Date): EP 2005108269 001201;

PRIORITY (CC, No, Date): US 452928 991202

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK; TR

EXTENDED DESIGNATED STATES: AL; BA; HR; MK; YU

RELATED PARENT NUMBER(S) - PN (AN):

EP 1236305 (EP 2000983863)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level Value Position Status Version Action Source Office:

H04L-0009/32 A I F B 20060101 20051125 H EP  
H04L-0029/06 A I L B 20060101 20051125 H EP

ABSTRACT WORD COUNT: 162

NOTE:

Figure number on first page: 6

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
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CLAIMS A	(English)	200603	1228
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SPEC A	(English)	200603	20299
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Total word count - document A		21530	
-------------------------------	--	-------	--

Total word count - document B		0	
-------------------------------	--	---	--

Total word count - documents A + B		21530	
------------------------------------	--	-------	--

...SPECIFICATION wrapper (e.g., PEM, RSAPKCS#7, or S/MIME) or markup language (e.g., HTML, XML, or XFDL) can be used for this purpose. The contents can be one or more information objects (each comprising one or more electronic documents, images, computer source code, computer executable code, databases, data compilations, etc.), date-time stamps, digital signatures and matching certificates, and/or indicators, which include, but are not limited to, content types, object identifiers, and encoding rules and tags. If the TCU accepts submissions created with different encryption, hashing, or digital signature algorithms or algorithm suites, as may be expected in order for the...

12/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

(c) 2007 European Patent Office. All rts. reserv.

01682514

Transformation of objects between a computer programming language and data representation language

Transformation von Objekten zwischen einer Rechnerprogrammiersprache und einer Daten-Darstellungssprache

Transformation d'objets entre un langage de programmation et un langage de representation de donnees

PATENT ASSIGNEE:

Sun Microsystems, Inc., (2616592), 4150 Network Circle, Santa Clara, California 95054, (US), (Applicant designated States: all)

INVENTOR:

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Saulpaugh, Thomas E., 6938 Bret Harte Drive, San Jose CA 95120, (US)

Traversat, Bernard A., 701 Freemont Drive, Menlo Park, CA 94025, (US)

Abdelaziz, Mahammed M., 78 Cabot Avenue, Santa Clara CA 95051, (US)

Duigou, Michael J., 33928 Capulet Circle, Fremont CA 94555, (US)

LEGAL REPRESENTATIVE:

Davies, Simon Robert (75453), D Young & Co, 21 New Fetter Lane, London, EC4A 1DA, (GB)

PATENT (CC, No, Kind, Date): EP 1380941 A2 040114 (Basic)

APPLICATION (CC, No, Date): EP 2003021805 010509;

PRIORITY (CC, No, Date): US 202975 P 000509; US 208011 P 000526; US 209430 P 000602; US 209140 P 000602; US 209525 P 000605; US 663563 000915

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

RELATED PARENT NUMBER(S) - PN (AN):

EP 1290547 (EP 2001937315)

INTERNATIONAL PATENT CLASS (V7): G06F-009/44

ABSTRACT WORD COUNT: 199

NOTE:

Figure number on first page: 34

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200403	1588
SPEC A	(English)	200403	67114
Total word count - document A			68702
Total word count - document B			0
Total word count - documents A + B			68702

...SPECIFICATION added to the class definition that may include the name of the corresponding class. The XML document representation may use the class name as the document type. Having the class name...

... instantiate a new class instance and may use the set methods to initialize the instance object from the hash table values. In one embodiment, since the class type is defined and the hash table is generic ...

...the intermediary hash table representation and a generator method may be used to produce an XML document from the hash table representation. This process may also be made generic so that it may be performed for any XML document that matches the above specification.

This method is not intended to be limited to...

12/3, K/19 (Item 19 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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01452686

METHOD AND APPARATUS FOR NETWORKED INFORMATION DISSEMINATION THROUGH SECURE TRANSCODING

**VERFAHREN UND VORRICHTUNG ZUR UBERTRAGUNG VON NETZWERKINFORMATIONEN DURCH  
SICHERE TRANSKODIERUNG**  
**PROCEDE ET APPAREIL POUR LA DISSEMINATION D'INFORMATIONS EN RESEAU PAR  
TRANSCODAGE PROTEGE**

**PATENT ASSIGNEE:**

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**INVENTOR:**

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Winchester, Hampshire, SO21 2JN, (US)

HAN, Richard, Yeh-Whei c/o IBM UK Ltd., Intellectual Prop. Law, Hursley  
Park, Winchester, Hampshire, SO21 2JN, (US)

SMITH, John, 40 Farrel Street, New Hyde Park, NY 11040, (US)

**LEGAL REPRESENTATIVE:**

Litherland, David Peter (75472), IBM United Kingdom Ltd., MP 110, Hursley  
Park, Winchester, Hampshire SO21 2JN, (GB)

**PATENT (CC, No, Kind, Date):** EP 1320973 A2 030625 (Basic)

EP 1320973 B1 050316

WO 2002028006 020404

**APPLICATION (CC, No, Date):** EP 2001969934 010919; WO 2001GB4167 010919

**PRIORITY (CC, No, Date):** US 670295 000926

**DESIGNATED STATES:** AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

**EXTENDED DESIGNATED STATES:** AL; LT; LV; MK; RO; SI

**INTERNATIONAL PATENT CLASS (V7):** H04L-029/06

**NOTE:**

No A-document published by EPO

**LANGUAGE (Publication,Procedural,Application):** English; English; English

**FULLTEXT AVAILABILITY:**

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200511	1005
CLAIMS B	(German)	200511	876
CLAIMS B	(French)	200511	1167
SPEC B	(English)	200511	7861
Total word count - document A			0
Total word count - document B			10909
Total word count - documents A + B			10909

...SPECIFICATION relative or absolute importance of a particular component.  
Information concerning the semantic content of the component or the  
overall object, sequence numbers, one-way hashes of component  
data used for tamper detection, or any other information that may be  
helpful to the...

...content provider, transcoding proxy and client device. For example, the  
metadata may be written in extensible Markup Language ( XML ), of  
which MPEG-7 is a variant. Henceforth, the metadata information described  
herein will be...

**12/3, K/21 (Item 21 from file: 348)**

DIALOG(R)File 348:EUROPEAN PATENTS

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02011397

**METHOD FOR ELECTRONIC STORAGE AND RETRIEVAL OF AUTHENTICATED ORIGINAL  
DOCUMENTS**

**VERFAHREN ZUR ELEKTRONISCHEN SPEICHERUNG UND WIEDERGEWINNUNG VON  
AUTHENTIFIZIERTEN ORIGINALDOKUMENTEN**

**PROCEDE DE TRANSMISSION ELECTRONIQUE, DE STOCKAGE ET DE RECUPERATION DE  
DOCUMENTS ELECTRONIQUES ORIGINAUX AUTHENTIFIES**

**PATENT ASSIGNEE:**

EOriginal, Inc., (2882613), The Warehouse at Camden Yards, South, Suite  
800, 323 West Camden Street, Baltimore, MD 21201, (US), (Proprietor

designated states: all)

INVENTOR:

Bisbee, Stephen, F., 7206 Bellona Avenue, 21212, Baltimore, (US)  
Moskowitz, Jack J., 15234 Callaway Court, Glenwood, MD 21738, (US)  
White, Michael, W., 1913 Midland Road, 21222, Baltimore, (US)  
Becker, Keith F., 1212 Swanhill Court, 21226, Baltimore, (US)  
Peterson, Ellis, K., 288 Waycross Way, 21012, Arnold, (US)

LEGAL REPRESENTATIVE:

Bergentall, Annika Maria (9206391), Cegumark AB P.O. Box 53047, S-400 14  
Goteborg, (SE)

PATENT (CC, No, Kind, Date): EP 1617589 A2 060118 (Basic)  
EP 1617589 A3 060125  
EP 1617589 B1 070328

APPLICATION (CC, No, Date): EP 2005108267 001201;

PRIORITY (CC, No, Date): US 452928 991201

DESIGNATED STATES (Pub A): AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR;  
GB; GR; HU; IE; IS; IT; LI; LT; LU; LV; MC; NL; PL; PT; RO; SE; SI; SK;  
TR; (Pub B): AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;  
MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; BA; HR; MK; YU

RELATED PARENT NUMBER(S) - PN (AN):

EP 1236305 (EP 2000983863)

INTERNATIONAL CLASSIFICATION (V8 + ATTRIBUTES):

IPC + Level value Position Status Version Action Source Office:

H04L-0009/32 A I F B 20060101 20051125 H EP  
H04L-0029/06 A I L B 20060101 20051125 H EP

ABSTRACT WORD COUNT: 187

NOTE:

Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200603	2636
CLAIMS B	(English)	200713	2638
CLAIMS B	(German)	200713	2596
CLAIMS B	(French)	200713	2964
SPEC A	(English)	200603	20294
SPEC B	(English)	200713	20323
Total word count - document A			22934
Total word count - document B			28521
Total word count - documents A + B			51455

...SPECIFICATION wrapper (e.g., PEM, RSAPKCS#7, or S/MIME) or markup language (e.g., HTML, XML, or XFDL) can be used for this purpose. The contents can be one or more information objects (each comprising one or more electronic documents, images, computer source code, computer executable code, databases, data compilations, etc.), date-time stamps, digital signatures and matching certificates, and/or indicators, which include, but are not limited to, content types, object identifiers, and encoding rules and tags. If the TCU accepts submissions created with different encryption, hashing, or digital signature algorithms or algorithm suites, as may be expected in order for the...

...SPECIFICATION wrapper (e.g., PEM, RSAPKCS#7, or S/MIME) or markup language (e.g., HTML, XML, or XFDL) can be used for this purpose. The contents can be one or more information objects (each comprising one or more electronic documents, images, computer source code, computer executable code, databases, data compilations, etc.), date-time stamps, digital signatures and matching certificates, and/or indicators, which include, but are not limited to, content types, object identifiers, and encoding rules and tags. If the TCU accepts submissions created with different encryption, hashing, or digital signature algorithms or algorithm suites, as may be expected in order for the...

12/3,K/22 (Item 22 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2007 WIPO/Thomson. All rts. reserv.

00920189 \*\*Image available\*\*  
**BROWSER CONTAINER FOR HYPERTEXT APPLICATION**  
**CONTENEUR DE NAVIGATEUR POUR APPLICATION HYPERTEXTE**  
Patent Applicant/Assignee:  
HAMILTON SCIENTIFIC LTD, Suite 201, 1500 Pleasant Valley Way, West Orange, NJ 07052, US, US (Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:  
KUNTZ Ralph, 23 Canterbury Road, Denville, NJ 07834, US, US (Residence), US (Nationality), (Designated only for: US)

Legal Representative:  
LEASON David (et al) (agent), Darby & Darby P.C., 805 Third Avenue, New York, NY 10022-7513, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200254233 A1 20020711 (WO 0254233)  
Application: WO 2001US49221 20011219 (PCT/WO US0149221)  
Priority Application: US 2000258895 20001228

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 6707

Fulltext Availability:

Detailed Description

Detailed Description  
... of the special function programming.

-II

The programming for each control element is written in XML. When run by the template editor, the control element is read from the XML file during the parsing process. The template editor then checks for the type of control element as indicated by the value of the hypertext flag and retrieves the location of the corresponding object module for such hypertext flag type from a hash table. This allows the template editor to identify the element as a recognized function within the XML program and instructs the template editor on how to implement the function.

The template editor...

...module the attributes (which in the preferred embodiment, are a series of strings in the XML file following the hypertext flag) that were defined with the element in the XML file as parameters. The object module for a control element generates a GUI object corresponding...

12/3,K/23 (Item 23 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2007 WIPO/Thomson. All rts. reserv.

00889197 \*\*Image available\*\*

**XML-BASED GRAPHICAL USER INTERFACE APPLICATION DEVELOPMENT TOOLKIT**  
**BOITE A OUTILS LOGICIELS DE MISE AU POINT D'INTERFACE GRAPHIQUE UTILISATEUR**  
**ARTICULEE AUTOUR DU LANGAGE XML**

**Patent Applicant/Assignee:**

BEA SYSTEMS INC, 2315 North First Street, San Jose, CA 95131, US, US  
(Residence), US (Nationality), (For all designated states except: US)

**Inventor(s):**

CARROLL Thomas J, 1150 Galapago Street #319, Denver, CO 80204, US,

**Legal Representative:**

MEYER Sheldon R (et al) (agent), Fliesler Dubb Meyer and Lovejoy LLP,  
Four Embarcadero Center, Suite 400, San Francisco, CA 94111-4156, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200223336 A1 20020321 (WO 0223336)

Application: WO 2001US28690 20010914 (PCT/WO US0128690)

Priority Application: US 2000232515 20000914

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR  
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 25491

**Fulltext Availability:**

Detailed Description

**Detailed Description**

... that is subordinate to the application's main window.

**Document Type Definition (DTD)**

[0056] See XML DTD.

**Drop-down menu**

[0057] A menu that is displayed from a menu bar.

**Element**

[0058] See XIVIL element.

**Empty element**

[0059] See XML empty element.

**Enterprise Java Bean (EJB)**

I O [0060] A software object, written in the...

...server and conforms to the Enterprise Java Bean standard.

**Extensible Style Language (XSL)**

[0061] An XML grammar used to create documents that describe how to data within XML documents are transformed.

**Hash table**

[0062] An abstract data type in which **values** are retrieved by a key string. Ideally, the average time to retrieve an **element** from a **hash** table should not increase as the **number** of **elements** in the **hash**

```

protected void buildUserInterfaceInternal( Element element
throws Exception, IOException
If given an object that represents an XML element within a DOM,
if element != null
the attempt to get an object that represents the XML element.

IElement elementobject = this.getElement( element.getTagName()
If we have the XML element object,
if elementobject != null
then attempt to get the element's attributes.

NamedNodeMap...
.

...element.getAttributes()
Node node = null;
- 101
Attr attribute = null;
Clear out the contents of the hash table used to hold
5 the values of the element 's attributes.

this.m-AttributeSHashtable.clear()
String strAttributeName = null;
0 String strElementName = null;
If we...attributeList
i
IElement element = this.getElement( strName
If we have an object that represents the XML element tag
encountered by the XML parser, and that object is the right type,
if element != null
Set the element's tag name.

element .setTag( strName
Clear out the contents of the hash table used to hold
the values of the element 's attributes.

this.M-AttributeSHashtable.clear()
String strAttributeName = null;
- 131
String strElementName = null;
Populate the hash table with the values of the element 's
attributes, keyed on attribute name.

for ( int i = 0; i < attributeList.getLength( ); i++
I...

```

12/3, K/24 (Item 24 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
 (c) 2007 WIPO/Thomson. All rts. reserv.

00852804 \*\*Image available\*\*  
 MECHANISM AND APPARATUS FOR URI-ADDRESSABLE REPOSITORIES OF SERVICE  
 ADVERTISEMENTS AND OTHER CONTENT IN A DISTRIBUTED COMPUTING ENVIRONMENT  
 MECANISME ET APPAREIL POUR ARCHIVES, ADRESSABLES PAR URI, DE PUBLICITES DE  
 SERVICES OU AUTRE CONTENU DANS UN ENVIRONNEMENT INFORMATIQUE DISTRIBUE

Patent Applicant/Assignee:

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Inventor(s):

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 SAULPAUGH Thomas E, 6938 Bret Harte Drive, San Jose, CA 95120, US,  
 TRAVERSAT Bernard A, 2055 California Street, Apt. 402, San Francisco, CA  
 94109, US,

DUIGOU Michael J, 33928 Capulet Circle, Fremont, CA 94555, US,  
 Legal Representative:

CONLEY ROSE & TAYON P C (agent), KOWERT, Robert, C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186428 A2-A3 20011115 (WO 0186428)

Application: WO 2001US15363 20010509 (PCT/WO US0115363)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653614 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 62890

Fulltext Availability:

Detailed Description

Detailed Description

... instantiate a new class instance and may use the set methods to  
initialize the instance **object** from the **hash** table **values**. In one  
embodiment, since the class type is defined and the hash table is generic  
...

...the intermediary hash table representation and a generator method may be  
used to produce an **XML** document from the hash table representation.  
This process may also be made generic so that...

12/3, K/25 (Item 25 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00852800 \*\*Image available\*\*

DYNAMIC DISPLAY OBJECTS IN A DISTRIBUTED COMPUTING ENVIRONMENT  
AFFICHAGES DYNAMIQUES DANS UN ENVIRONNEMENT D'INFORMATIQUE DISTRIBUEE

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

Inventor(s):

SLAUGHTER Gregory L, 3326 Emerson Street, Palo Alto, CA 94306, US,  
SAULPAUGH Thomas E, 6938 Bret Harte Drive, San Jose, CA 95120, US,  
TRAVERSAT Bernard A, Apartment 402, 2055 California Street, San  
Francisco, CA 94109, US,

ABDELAZIZ Mohamed M, 78 Cabot Avenue, Santa Clara, CA 95051, US,

Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186424 A2-A3 20011115 (WO 0186424)

Application: WO 2001US15137 20010509 (PCT/WO US0115137)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000693321 20001019

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 73634

Fulltext Availability:

Detailed Description

Detailed Description

... added to the class definition that may include the name of the corresponding class. The XML document representation may use the class name as the document type.  
Having the class name...

... instantiate a new class instance and may use the set methods to initialize the instance **object** from the **hash** table **values**. In one embodiment, since the class type is defined and the hash table is generic  
...

...also be made generic so that (inverted exclamation mark)t may be performed for any XML document that matches the above specification.

This method is not intended to be limited to...

12/3, K/26 (Item 26 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00852799 \*\*Image available\*\*

MESSAGE-BASED LEASING OF RESOURCES IN A DISTRIBUTED COMPUTING ENVIRONMENT  
LOCATION DE RESSOURCES A BASE DE MESSAGE DANS UN ENVIRONNEMENT INFORMATIQUE  
REPARTI

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
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Inventor(s):

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Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186423 A2-A3 20011115 (WO 0186423)

Application: WO 2001US15136 20010509 (PCT/WO US0115136)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653216 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 72892

Fulltext Availability:  
Detailed Description

**Detailed Description**

... added to the class definition that may include the name of the corresponding class. The XML document representation may use the class name as the document type. Having the class name...

... instantiate a new class instance and may use the set methods to initialize the instance object from the hash table values. In one embodiment, since the class type is defined and the hash table is generic ... This process may also be made generic so that it may be performed for any XML document that matches the above specification.

This method is not intended to be limited to...

**12/3, K/27 (Item 27 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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00852797 \*\*Image available\*\*  
**MESSAGE GATES IN A DISTRIBUTED COMPUTING ENVIRONMENT**  
**PORTE DE MESSAGERIE EN ENVIRONNEMENT D'INFORMATIQUE DISTRIBUEE**  
Patent Applicant/Assignee:  
SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)  
Inventor(s):  
SLAUGHTER Gregory L, 3326 Emerson Street, Palo Alto, CA 94306, US,  
SAULPAUGH Thomas E, 6938 Bret Harte Drive, San Jose, CA 95120, US,  
TRAVERSAT Bernard A, 2055 California Street, Apt. 402, San Francisco, CA  
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ABDELAZIZ Mohamed M, 78 Cabot Avenue, Santa Clara, CA 95051, US,  
Legal Representative:  
CONLEY ROSE & TAYON P C (agent), Kowert, Robert, C., P.O. Box 398,  
Austin, TX 78767-0398, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200186421 A2-A3 20011115 (WO 0186421)  
Application: WO 2001US15121 20010509 (PCT/WO US0115121)  
Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653229 20000831

Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English  
Filing Language: English  
Fulltext Word Count: 64825

Fulltext Availability:

Claims

Claim

... added to the class definition that may include the name of the corresponding class. The XML document representation may use the class name as the document type. Having the class name...

... instantiate a new class instance and may use the set methods to initialize the instance **object** from the **hash** table **values**. In one embodiment, since the class type is defined and the hash table is generic ...

... the intermediary hash table representation and a generator method may be used to produce an XML document from the hash table representation. This process may also be made generic so that...

12/3, K/28 (Item 28 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00852795 \*\*Image available\*\*

**METHOD AND APPARATUS TO DISCOVER SERVICES USING FLEXIBLE SEARCH CRITERIA  
PROCEDE ET DISPOSITIF PERMETTANT DE TROUVER DES SERVICES A L'AIDE DE  
CRITERES DE RECHERCHE COUPLES**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

Inventor(s):

SLAUGHTER Gregory L, 3326 Emerson Street, Palo Alto, CA 94306, US,  
SAULPAUGH Thomas E, 6938 Bret Harte Drive, San Jose, CA 95120, US,

Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186419 A2-A3 20011115 (WO 0186419)

Application: WO 2001US14972 20010509 (PCT/WO US0114972)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653608 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 63586

Fulltext Availability:

Claims

Claim

... added to the class definition that may include the name of the corresponding class. The XML document representation may use the class name as the document type. Having the class name...

... instantiate a new class instance and may use the set methods to initialize the instance **object** from the

hash table values . In one embodiment, since the class type is defined and the hash table is generic...

12/3,K/29 (Item 29 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00852780 \*\*Image available\*\*

**REMOTE METHOD INVOCATION WITH SECURE MESSAGING IN A DISTRIBUTED COMPUTING ENVIRONMENT**

**APPEL DE PROCEDE A DISTANCE AVEC MESSAGERIE SECURISEE DANS UN ENVIRONNEMENT INFORMATIQUE REPARTI**

**Patent Applicant/Assignee:**

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

**Inventor(s):**

SLAUGHTER Gregory L, 3326 Emerson St., Palo Alto, CA 94306, US,  
SAULPAUGH Thomas E, 6938 Bret Harte Dr., San Jose, CA 95120, US,  
TRAVERSAT Bernard A, 2055 California St., Apt. 402, San Francisco, CA 94109, US,

DUIGOU Michael J, 33928 Capulet Circle, Fremont, CA 94555, US,

**Legal Representative:**

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398, Austin, TX 78767-0398, US,

**Patent and Priority Information (Country, Number, Date):**

Patent: WO 200186395 A2-A3 20011115 (WO 0186395)

Application: WO 2001US15277 20010509 (PCT/WO US0115277)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US 2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US 2000672145 20000927

**Designated States:**

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 73082

**Fulltext Availability:**

Detailed Description

**Detailed Description**

... instantiate a new class instance and may use the set methods to initialize the instance object from the hash table values . In one embodiment, since the class type is defined and the hash table is generic ...

...This process may also be made generic so that it may be performed for any XML document that matches the above specification.

This method is not intended to be limited to...

12/3,K/30 (Item 30 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00852779 \*\*Image available\*\*

**METHOD AND APPARATUS TO OBTAIN SERVICE CAPABILITY CREDENTIALS  
PROCEDE ET APPAREIL PERMETTANT D'OBtenir DES TITRES ACCREDITIFS RELATIFS A  
DES CAPACITES DE SERVICES**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

Inventor(s):

SLAUGHTER Gregory L, 3326 Emerson Street, Palo Alto, CA 94306, US,  
SAULPAUGH Thomas E, 6938 Bret Harte Drive, San Jose, CA 95120, US,  
TRAVERSAT Bernard A, 2055 California Street, Apt. 402, San Francisco, CA  
94109, US,  
ABDELAZIZ Mohamed M, 78 Cabot Avenue, Santa Clara, CA 95051, US,

Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186394 A2-A3 20011115 (WO 0186394)

Application: WO 2001US15134 20010509 (PCT/WO US0115134)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653215 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 65219

Fulltext Availability:

Claims

Claim

... instantiate a new class instance and may use the set methods to  
initialize the instance **object** from the **hash** table **values**. In one  
embodiment, since the class type is defined and the hash table is  
generic...

...the intermediary hash table representation and a generator method may be  
used to produce an **XML** document from the hash table representation.  
This process may also be made generic; so that...

12/3, K/31 (Item 31 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT  
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00852778 \*\*Image available\*\*

**MESSAGE AUTHENTICATION USING MESSAGE GATES IN A DISTRIBUTED COMPUTING  
ENVIRONMENT**

**AUTHENTIFICATION DE MESSAGES PAR PORTES DE MESSAGES DANS UN ENVIRONNEMENT  
INFORMATIQUE REPARTI**

Patent Applicant/Assignee:

SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US  
(Residence), US (Nationality)

Inventor(s):

SLAUGHTER Gregory L, 3326 Emerson Street, Palo Alto, CA 94306, US,  
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TRAVERSAT Bernard A, Apartment 402, 2055 California Street, San  
Francisco, CA 94109, US,  
DUIGOU Michael J, 33928 Capulet Circle, Fremont, CA 94555, US,

Legal Representative:

KOWERT Robert C (agent), Conley, Rose & Tayon, P.C., P.O. Box 398,  
Austin, TX 78767-0398, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200186393 A2-A3 20011115 (WO 0186393)

Application: WO 2001US15098 20010509 (PCT/WO US0115098)

Priority Application: US 2000202975 20000509; US 2000208011 20000526; US  
2000209430 20000602; US 2000209140 20000602; US 2000209525 20000605; US  
2000653227 20000831

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE  
ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT  
LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM  
TR TT TZ UA UG UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 66045

Fulltext Availability:

Claims

Claim

... instantiate a new class instance and may use the set methods to  
initialize the instance **object** from the **hash** table **values**. In one  
embodiment, since the class type is defined and the hash table is  
generic any **XML** document that matches the above specification. This  
method is not intended to be limited to...

12/3,K/32 (Item 32 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT

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00767658 \*\*Image available\*\*

SYSTEM AND METHOD FOR INFORMATIONAL AND COMMERCIAL TRANSACTIONS VIA AN  
INFORMATION EXCHANGE NETWORK

SYSTEME ET PROCEDE SERVANT A EFFECTUER DES TRANSACTIONS CONCERNANT DES  
INFORMATIONS ET DES NEGOCIATIONS COMMERCIALES PAR L'INTERMEDIAIRE D'UN  
RESEAU D'ECHANGE D'INFORMATIONS

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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WEBER Cindy, 750 Old Lancaster Road, C-502, Berwyn, PA 19312, US, US  
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CUTLER Jeffrey Scott, 276 Tillou Road, South Orange, NJ 07079, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:

SPIVAK Kevin R (et al) (agent), Morrison & Foerster LLP, 2000  
Pennsylvania Avenue, N.W., Washington, DC 20006-1888, US,  
Patent and Priority Information (Country, Number, Date):

Patent: WO 200101276 A2 20010104 (WO 0101276)  
Application: WO 2000US17682 20000628 (PCT/WO US0017682)  
Priority Application: US 99141326 19990628  
Designated States:  
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)  
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 9324

Fulltext Availability:  
Detailed Description

**Detailed Description**

... a response handler for its message. The response handler parses the message and returns the **element** values as **hash** tables, where there is one **hash** table for each major **element** grouping.

An application can write purchase response and update messages into a queue for subsequent...

...also be used for the case where communications are temporarily interrupted. The queue manager stores XML messages in files.

Figure 4 is a block diagram illustrating the classes of messaging that...  
...and the principal methods of each class.

The following sections describe messages (a.k.a. XML documents) in the sequence they follow when a consumer-user 14 makes a purchase. Messages  
...

**12/3, K/33 (Item 33 from file: 349)**  
DIALOG(R)File 349:PCT FULLTEXT  
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00762376 \*\*Image available\*\*  
**TOKEN BASED DATA PROCESSING SYSTEMS AND METHODS**  
**PROCEDES ET SYSTEMES DE TRAITEMENT DE DONNEES A BASE DE JETONS**  
Patent Applicant/Assignee:  
IWITNESS INC, Suite 2N, 2995 wilderness Place, Boulder, CO 80301, US, US  
(Residence), US (Nationality), (For all designated states except: US)  
Patent Applicant/Inventor:  
LAMBERT Francis T, 1901 Spruce Street, Boulder, CO 80302, US, US  
(Residence), US (Nationality), (Designated only for: US)  
ARCHER Emory Scott, 4799 White Rock Circle, #E, Boulder, CO 80301, US, US  
(Residence), US (Nationality), (Designated only for: US)

Legal Representative:  
SABETT Randy V (et al) (agent), Cooley Godward LLP, One Freedom Square-Reston Town Center, 11951 Freedom Drive, Reston, VA 20190-5601, US,

Patent and Priority Information (Country, Number, Date):  
Patent: WO 200075779 A2-A3 20001214 (WO 0075779)  
Application: WO 2000US15224 20000602 (PCT/WO US0015224)  
Priority Application: US 99137568 19990604

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB  
GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA  
MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA  
UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 12584

Patent and Priority Information (Country, Number, Date):

Patent: ... 20001214

Fulltext Availability:

Detailed Description

Publication Year: 2000

Detailed Description

... transformation of tokens, including but not limited to encoding of the DOT (e.g. using XML, ASN. 1, or comma-separated); required data and metadata fields; organizing structure of metadata fields...

...that will become the DOT.

12

This metadata can include a unique identifier for the **object**, **object** location information, **object hash digest values**, or other metadata fields as required. Token generating system 130 can then determine from the...

...in the DOT file. The metadata can be written in popular data formats, such as XML or comma delimited fields.

I 0 Token generating system 130 can then determine from the...

File 8:Ei Compendex(R) 1884-2007/Jun W3  
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File 35:Dissertation Abs Online 1861-2007/May  
(c) 2007 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2007/Jun 27  
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(c) 2007 Institution of Electrical Engineers  
File 6:NTIS 1964-2007/Jul W1  
(c) 2007 NTIS, Intl Cpyrht All Rights Res  
File 144:Pascal 1973-2007/Jun W3  
(c) 2007 INIST/CNRS  
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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File 34:SciSearch(R) Cited Ref Sci 1990-2007/Jun W4  
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File 56:Computer and Information Systems Abstracts 1966-2007/Jun  
(c) 2007 CSA.  
File 60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Jun  
(c) 2007 CSA.

Set	Items	Description
S1	39114	XML OR (EXTENSIBLE OR EXTENDED)() (MARKUP OR MARK()UP)() LANGUAGE
S2	7845688	TAG? ? OR ELEMENT? ? OR SUBELEMENT? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR OBJECT? ? OR UNIT? ? OR ITEM? ?
S3	1522	S2(10N)(HASH??? OR MD4 OR MD5 OR SHA1 OR SHA OR MESSAGE()DIGEST OR RIPEMD OR HAVAL)
S4	9105303	NUMERIC OR NUMBER? ? OR NUMERAL? ? OR INTEGER? ? OR VALUE? ? OR FIGURE? ? OR CODE? ?
S5	2	S1 AND S3 AND S4
S6	13	S1 AND S3
S7	15161	SGML OR (MARKUP OR MARK()UP)() LANGUAGE
S8	1	S7 AND S3
S9	13	S6 OR S8
S10	6	RD (unique items)

10/5/1 (Item 1 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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11388565 E.I. No: EIP06501029697

Title: Current Trends in Database Technology - EDBT 2006 - EDBT 2006 Workshops PhD, DataX, IIDB, IIHA, ICSNW, QLQP, PIM, PaRMA, and Reactivity on the Web, Revised Selected Papers

Author: Anon (Ed.)

Conference Title: 10th International Conference on Extending Database Technology, EDBT 2006

Conference Location: Munich, Germany Conference Date: 20060326-20060331

Sponsor: Massachusetts Institute of Technology, MA, USA; University of Erlangen-Nuremberg, Germany

E.I. Conference No.: 68715

Source: Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) Current Trends in Database Technology - EDBT 2006 - EDBT 2006 Workshops PhD, DataX, IIDB, IIHA, ICSNW, QLQP, PIM, PaRMA, and Reactivity on the Web, Revised Selected Papers v 4254 LNCS 2006.

Publication Year: 2006

ISSN: 0302-9743 eISSN: 1611-3349 ISBN: 9783540467885

Language: English

Document Type: CP; (Conference Review) Treatment: T; (Theoretical)

Journal Announcement: 0612W3

Abstract: The proceedings contain 69 papers. The topics discussed include: phenomenon-aware sensor database systems; moving objects in network database; constructing optimal wavelet synopses; hash-based joint algorithms; conflict resolution in updates through XML views; efficiency integrity checking over XML outsourced; models for incomplete and probabilistic information; semantically correct query answers in the presence of null values; context-sensitive clinical data integration; window specification over data streams; summa contra ontologiam; configuring intelligent mediators using ontologies; implementing a linguistic query language for historic texts; querying semistructured temporal data; towards similarity-based topological query languages; context consistency management using ontology based model; data stream sharing; pattern-based query answering; twelve theses on reactive rules for the web; visual modeling of reactive web applications; and reactivity in online auctions. (Edited abstract)

Descriptors: \*Database systems; World Wide Web; Sensors; Algorithms; XML; Semantics; Linguistics

Identifiers: Data streams; Ontology; Pattern-based query answering; Visual modeling

Classification Codes:

723.3 (Database Systems); 732.2 (Control Instrumentation); 903.2 (Information Dissemination)

723 (Computer Software, Data Handling & Applications); 716 (Electronic Equipment, Radar, Radio & Television); 732 (Control Devices); 903 (Information Science)

72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATION ENGINEERING); 73 (CONTROL ENGINEERING); 90 (ENGINEERING, GENERAL)

10/5/2 (Item 2 from file: 8)

DIALOG(R)File 8:EI Compendex(R)

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11018344 E.I. No: EIP06209879325

Title: Catalog service engine for XML data sources in distributed systems

Author: Yang, Ying; Le, Jia-Jin

Corporate Source: College of Computer and Science Technology University of DongHua, Shanghai, 200051, China

Conference Title: First International Conference on Distributed

Frameworks for Multimedia Applications 2005, DFMA '05  
Conference Location: Besancon, France Conference Date:  
20050206-20050209  
Sponsor: IEEE Computer Society; IEEE France  
E.I. Conference No.: 67261  
Source: Proceedings - First International Conference on Distributed  
Frameworks for Multimedia Applications 2005, DFMA '05 Proceedings - First  
International Conference on Distributed Frameworks for Multimedia  
Applications 2005, DFMA '05 v 2005 2005.  
Publication Year: 2005  
Language: English  
Document Type: CA; (Conference Article) Treatment: G; (General Review)  
Journal Announcement: 0605W4  
Abstract: A core problem for distributed systems is efficient location of  
the nodes which store desired data items. This paper presents a  
consistent hashing-based catalog service engine, which can map keys onto  
the nodes in an identifier ring with load balance, and the improved  
algorithm is given to speed the key location. Utilizing this model with  
data summary can process queries for XML repositories efficiently.  
Results from simulation experiment show that our approach is valid and can  
scale to thousands of data sources. 12 Refs.  
Descriptors: \*Search engines; XML; Data structures; Distributed  
computer systems; Information services; Algorithms; Query languages;  
Computer simulation; Multimedia systems  
Identifiers: Catalog service engine; Hashing-based catalog; Data sources  
Classification Codes:  
723.1.1 (Computer Programming Languages)  
723.2 (Data Processing); 722.4 (Digital Computers & Systems); 903.4  
(Information Services); 723.1 (Computer Programming); 723.5 (Computer  
Applications)  
723 (Computer Software, Data Handling & Applications); 722 (Computer  
Hardware); 903 (Information Science)  
72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL)

10/5/3 (Item 3 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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10756459 E.I. No: EIP05509536077  
Title: Constructing and querying peer-to-peer warehouses of XML  
resources  
Author: Abiteboul, Serge; Manolescu, Ioana; Preda, Nicoleta  
Corporate Source: INRIA Futurs and LRI PCRI, France  
Conference Title: 21st International Conference on Data Engineering, ICDE  
2005  
Conference Location: Tokyo, Japan Conference Date: 20050405-20050408  
Sponsor: IEEE Computer Society; The Database Society of Japan, DBSJ;  
Information Processing Society of Japan, IPSJ; Institute of Electronics,  
Info. Commun. Engineers, IEICE  
E.I. Conference No.: 66107  
Source: Proceedings - International Conference on Data Engineering  
Proceedings - 21st International Conference on Data Engineering, ICDE 2005  
2005. (IEEE cat n P2285)  
Publication Year: 2005  
ISSN: 1084-4627  
Language: English  
Document Type: CA; (Conference Article) Treatment: T; (Theoretical)  
Journal Announcement: 0512W3  
Abstract: We present KADOP, a distributed infrastructure for warehousing  
XML resources in a peer-to-peer framework. KADOP allows users to build a  
shared, distributed repository of resources such as XML documents,  
semantic information about such documents, Web services, and collections  
of such items. KADOP leverages several existing technologies and models:  
it uses distributed hash tables as a peer communication layer, and

ActiveXML as a model for constructing and querying the resources in the peer network. copy 2005 IEEE. 5 Refs.

Descriptors: \*Data warehouses; XML ; Semantics; Distributed computer systems; Resource allocation

Identifiers: Peer-to-peer warehousing; Web services

Classification Codes:

723.3 (Database Systems); 903.2 (Information Dissemination); 722.4 (Digital Computers & Systems); 912.2 (Management)

723 (Computer Software, Data Handling & Applications); 903 (Information Science); 722 (Computer Hardware); 912 (Industrial Engineering & Management)

72 (COMPUTERS & DATA PROCESSING); 90 (ENGINEERING, GENERAL); 91 (ENGINEERING MANAGEMENT)

**10/5/4 (Item 4 from file: 8)**

DIALOG(R)File 8:EI Compendex(R)

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08933925 E.I. No: EIP01456717827

Title: XML and security

Author: Selkirk, A.

Source: BT Technology Journal v 19 n 3 July 2001. p 23-34

Publication Year: 2001

CODEN: BTTJEW ISSN: 1358-3948

Language: English

Document Type: JA; (Journal Article) Treatment: T; (Theoretical)

Journal Announcement: 0111w2

Abstract: The XML Signature Working Group - a joint technical committee of the Internet Engineering Task Force (IETF) and the World Wide Web Consortium (W3C) - aims at enabling digital signing of documents using XML syntax. This capability is critical for a variety of electronic commerce applications, including payment tools. Signatures can provide integrity, message authentication and/or authentication services for data of any type, whether located within the XML that includes the signature or located elsewhere. XML signatures are generated by a hash function from the collection of references to the objects being signed; its syntax associates the content of resources with a key via a strong one-way transformation. This paper will provide further information on this and the proposed XML encryption standard. 16 Refs.

Descriptors: \*XML ; Electronic document identification systems; Electronic commerce; Security of data; World Wide Web; Cryptography; HTML

Identifiers: Digital signing

Classification Codes:

723.5 (Computer Applications); 723.2 (Data Processing)

723 (Computer Software, Data Handling & Applications)

72 (COMPUTERS & DATA PROCESSING)

**10/5/5 (Item 1 from file: 35)**

DIALOG(R)File 35:Dissertation Abs Online

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02014072 ORDER NO: AADAA-I1419694

**Naproxi: A hash-based collaborative edge-proxy system**

Author: Sudhindra, Ravindra

Degree: M.S.

Year: 2004

Corporate Source/Institution: Wayne State University (0254)

Adviser: Cheng-Zhong Xu

Source: VOLUME 42/06 of MASTERS ABSTRACTS.

PAGE 2303. 58 PAGES

Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL

Descriptor Codes: 0544

With increase use in wireless technology, the mobile client devices have become highly heterogeneous. Most web servers do not recognize these mobile devices when requested for a web page. To enable these devices to access internet, transcoding is used to adapt web objects to suit these diverse devices.

In this work, an Edge-proxy Collaborated Hash-based Transcoding Proxy System is proposed, which will modularize the proxy system and improves user perceived delay with no increase in either the queuing delay or the proxy utilization of the collaborated proxy system. This proposed system uses edge proxy's decision to route the request to the respective proxy server over a hash-based collaborative transcoding proxy system, which uses a hash-based caching strategy to remove the redundant objects scattered in different locations. In addition, XML files are used to assist web proxy servers in choosing/transcoding the right version of the requested web object to suit the requesting mobile device and the functionality is demonstrated using the J2ME emulators.

A mathematical model is formulated to support our work. Conclusion is drawn that user perceived latency is directly proportional to the decision accuracy of the edge proxy. Future enhancements are also proposed on current work.

**10/5/6 (Item 1 from file: 144)**  
DIALOG(R)File 144:Pascal  
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15289413 PASCAL No.: 01-0461736

**XML and security : Security**

SELKIRK A

BTexact Technologies, United Kingdom

Journal: BT technology journal, 2001, 19 (3) 23-34

ISSN: 1358-3948 Availability: INIST-19873; 354000095889980020

No. of Refs.: 15 ref.

Document Type: P (Serial) ; A (Analytic)

Country of Publication: United Kingdom

Language: English

The XML Signature Working Group - a joint technical committee of the Internet Engineering Task Force (IETF) and the World Wide Web Consortium (W3C) - aims at enabling digital signing of documents using XML syntax. This capability is critical for a variety of electronic commerce applications, including payment tools. Signatures can provide integrity, message authentication and/or authentication services for data of any type, whether located within the XML that includes the signature or located elsewhere. XML signatures are generated by a hash function from the collection of references to the objects being signed: its syntax associates the content of resources with a key via a strong one-way transformation. This paper will provide further information on this and the proposed XML encryption standard.

**English Descriptors:** Internet; Electronic trade; Safety; Information protection; Information access; Standards; Cryptography; Data description language; Extensible markup language ; Digital signature

**French Descriptors:** Internet; Commerce electronique; Securite; Protection information; Acces information; Norme; Cryptographie; Langage description donnee; Langage XML ; Signature numerique

File 275:Gale Group Computer DB(TM) 1983-2007/Jun 25  
(c) 2007 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Jun 25  
(c) 2007 The Gale Group  
File 636:Gale Group Newsletter DB(TM) 1987-2007/Jun 25  
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File 16:Gale Group PROMT(R) 1990-2007/Jun 25  
(c) 2007 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989  
(c) 1999 The Gale Group  
File 148:Gale Group Trade & Industry DB 1976-2007/Jun 25  
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File 647:cmp Computer Fulltext 1988-2007/Sep w1  
(c) 2007 cmp Media, LLC  
File 674:Computer News Fulltext 1989-2006/Sep w1  
(c) 2006 IDG Communications  
File 696:DIALOG Telecom. Newsletters 1995-2007/Jun 26  
(c) 2007 Dialog  
File 369:New Scientist 1994-2007/Jan w2  
(c) 2007 Reed Business Information Ltd.

Set	Items	Description
S1	177872	XML OR (EXTENSIBLE OR EXTENDED)() (MARKUP OR MARK()UP)() LANGUAGE
S2	9440825	TAG? ? OR ELEMENT? ? OR SUBELEMENT? ? OR COMPONENT? ? OR SUBCOMPONENT? ? OR OBJECT? ? OR UNIT? ? OR ITEM? ?
S3	1376	S2(10N)(HASH??? OR MD4 OR MD5 OR SHA1 OR SHA OR MESSAGE()DIGEST OR RIPEMD OR HAVAL)
S4	13761073	NUMERIC OR NUMBER? ? OR NUMERAL? ? OR INTEGER? ? OR VALUE? ? OR FIGURE? ? OR CODE? ?
S5	238	S3(30N)S4
S6	2	S1(100N)S5
S7	62898	SGML OR (MARKUP OR MARK()UP)() LANGUAGE
S8	0	S7(100N)S5
S9	298	S3(50N)S4
S10	2	S1(100N)S9
S11	3	HTML(100N)S9
S12	5	S10:S11
S13	4	RD (unique items)

13/3,K/1 (Item 1 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)  
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02701935 SUPPLIER NUMBER: 99614811 (USE FORMAT 7 OR 9 FOR FULL TEXT)  
**Spam is a multiheaded monster. You must arm yourself with more than one weapon to slay this persistent beast. -- Fighting the Spam Monster-and Winning.(and related article)**

Conry-Murray, Andrew  
Network Magazine, 24  
April 1, 2003

ISSN: 1093-8001 LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 4032 LINE COUNT: 00312

... workarounds to this technique. For instance, many spam tools insert random strings of letters and **numbers** at the end of the subject line or within the body text of each message sent. They also insert **HTML** comments in between words and letters, which ...invisible to the human recipient, but would be included in any checksum function. Placing random **elements** within the e-mail ensures that a **hash** algorithm will produce a different **value** for messages that are otherwise identical.

Of course, the anti-spam community is fighting back...

13/3,K/2 (Item 1 from file: 621)

DIALOG(R)File 621:Gale Group New Prod.Annou.(R)  
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01672591 Supplier Number: 50146818 (USE FORMAT 007 FOR FULLTEXT)  
**XLNT Uses Rapid Logic's WebControl to Create Web Interface for Millennium 4000 Products.**

Business Wire, p07070235  
July 7, 1998  
Language: English Record Type: Fulltext  
Article Type: Article  
Document Type: Newswire; Trade  
Word Count: 1223

... interface for embedded HTTP development.

The Rapid Integration Tool includes a Knowledge Accumulator to identify **HTML** and C resources; MagicMarkup Tags to create dynamic links of native attributes to **HTML** files; and a Glue Code Generation Engine, which automatically integrates real-time code with any...

...1 Server, which has a base footprint under 30 Kbytes and provides complete separation of **HTML** and C source **code** , a bi-directional Common Gateway Interface, and an RTOS abstraction layer.

Included in its library of functions is support for dynamic inheritance of SNMP MIB **Objects** ; Digest Authentication ( MD5 security) via all major browsers including Netscape and Internet Explorer and other JavaScript-enabled clients...

...GZIP 1.2.4 and PKZIP 5.3.1; user time-out sessions; and sophisticated **HTML** /query string processing.

WebControl integrates into Rapid Logic's OpenControl Backplane, the company's "write..."

13/3,K/3 (Item 1 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)  
(c) 2007 The Gale Group. All rts. reserv.

06581870 Supplier Number: 55528195 (USE FORMAT 7 FOR FULLTEXT)  
**Netscape Billerxpert Masters E-Billing.(Software Review)(Evaluation)**  
Hoffman, Richard

Network Computing, p76

August 23, 1999

Language: English Record Type: Fulltext

Article Type: Evaluation

Document Type: Magazine/Journal; Trade

Word Count: 1918

... using 128-bit encryption via a VeriSign digital certificate. User passwords for login identification are **hashed** using **MD5**, and both **object** - and class-level ACLs can be easily configured and maintained using the administration utility.

For connectivity to back-end systems, Novazen offers a **number** of options. For many users, the simplest route is to use Novazen's Format Conversion...

...for various industry-standard systems, a rules-driven mapping process to speed up implementation and **XML** support.

Another option is to create a CORBA (Common Object Request Broker Architecture) or Java...

**13/3,k/4 (Item 1 from file: 647)**  
DIALOG(R)File 647: CMP Computer Fulltext  
(c) 2007 CMP Media, LLC. All rts. reserv.

01198961 CMP ACCESSION NUMBER: NWC19990823S0022

**Netscape BillerXpert Masters E-Billing**

Richard Hoffman

NETWORK COMPUTING, 1999, n 1017, PG76

PUBLICATION DATE: 990823

JOURNAL CODE: NWC LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: Reviews - Online Billing

WORD COUNT: 1888

... using 128-bit encryption via a VeriSign digital certificate. User passwords for login identification are **hashed** using **MD5**, and both **object** - and class-level ACLs can be easily configured and maintained using the administration utility.

For connectivity to back-end systems, Novazen offers a **number** of options. For many users, the simplest route is to use Novazen's Format Conversion...

...for various industry-standard systems, a rules-driven mapping process to speed up implementation and **XML** support.

Another option is to create a CORBA (Common Object Request Broker Architecture) or Java...

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((xml or extendid markup language or extended mark up language) and (tag or tags))

[Search](#)**» Key****IEEE JNL** IEEE Journal or Magazine Check to search only within this results set**IET JNL** IET Journal or Magazine**Display Format:**  Citation  Citation & Abstract**IEEE CNF** IEEE Conference Proceeding[view selected items](#) [Select All](#) [Deselect All](#)**IET CNF** IET Conference Proceeding

1. **Document warehousing based on a multimedia database system**  
Ishikawa, H.; Kubota, K.; Noguchi, Y.; Kato, K.; Ono, M.; Yoshizawa, N.; Kaner  
[Data Engineering, 1999. Proceedings., 15th International Conference on](#)  
23-26 March 1999 Page(s):168 - 173  
Digital Object Identifier 10.1109/ICDE.1999.754921

[AbstractPlus](#) | [Full Text: PDF\(1112 KB\)](#) [IEEE CNF](#)  
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**IEEE STD** IEEE Standard

2. **Framework for the semantic Web: an RDF tutorial**  
Decker, S.; Mitra, P.; Melnik, S.;

[Internet Computing, IEEE](#)  
Volume 4, Issue 6, Nov.-Dec. 2000 Page(s):68 - 73  
Digital Object Identifier 10.1109/4236.895018

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